

Hibbing Taconite Company

Managed by ArcelorMittal Hibbing Management LLC

January 22, 2020

Regional Administrator
Air and Radiation Division
C/O Kathleen D'Agostino
US EPA, Region 5 (A-18J)
77 West Jackson Boulevard
Chicago, IL 60604
dagostino.kathleen@epa.gov

**Re: Hibbing Taconite Company's Quarter 4 2019
Excess Emissions & Monitoring Performance Report
Permit Number 13700061**

To Whom it May Concern:

Hibbing Taconite Company (HTC) is subject to the 2016 Revision to 2013 Taconite Federal Implementation Plan Establishing BART for Taconite Plants (FIP) which requires the installation of Continuous Emission Monitors (CEMS) to monitor nitrogen oxides (NO_x) and sulfur dioxide (SO₂). This submittal satisfies the requirements of 40 CFR 52.1235(e)(7).

Per 40 CFR 52.1235(c)(4)(v), HTC is to provide a report of each performance evaluation and QA/QC check within 60 days of completion. The most recent performance evaluation results were submitted to the EPA on November 4th, 2019 from the CGAs performed during October 2019. A summary of the results are attached in Attachment A. During the reporting period, there were no out-of-control periods from the daily calibration drift assessments.

HTC does not have a limit in effect at this time associated with the NO_x CEMS, therefore the proposed NO_x limit listed in the FIP is not yet enforceable. The initial SO₂ limit came into effect during the 1st Quarter 2017 reporting period and was revised on April 11, 2018 to 347.4 lbs SO₂/hr. Attached is HTC's Quarterly Excess Emissions and Monitoring System Performance Report. Considering that HTC's NO_x limit is not yet enforceable, HTC's report will contain a zero (0) in the boxes related to excess emission events. Periods of downtime that occurred during this reporting quarter are listed by monitor in the attached report.

Please contact Julie Lucas at (218) 262-6856 or julie.lucas@arcelormittal.com if you have any questions regarding this report.

I certify, based on the information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Sincerely,

A handwritten signature in blue ink, appearing to read "Edward LaTendresse", with a long horizontal flourish extending to the right.

Edward LaTendresse
General Manager

Cc: Julie Lucas, HTC
Rich Zavoda, ArcelorMittal

Attachment A: Quality Control Reporting

Relative Accuracy Test Audit Results

Cylinder Gas Audit Results

RATA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (%)	Next Test Due	Pass/Fail	Comments
020	021	Furnace Line One, Stack 1	No MR	NO _x	7/17/2019	6.0	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/17/2019	5.0	3rd Quarter, 2019	Pass	Results less than 20%
	022	Furnace Line One, Stack 2	No MR	NO _x	7/18/2019	5.8	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/18/2019	9.5	3rd Quarter, 2019	Pass	Results less than 20%
	023	Furnace Line One, Stack 3	No MR	NO _x	7/17/2019	2.0	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/17/2019	14.7	3rd Quarter, 2019	Pass	Results less than 20%
021	025	Furnace Line Two, Stack 4	No MR	NO _x	7/16/2019	4.1	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/16/2019	3.8	3rd Quarter, 2019	Pass	Results less than 20%
	026	Furnace Line Two, Stack 3	No MR	NO _x	7/16/2019	5.0	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/16/2019	5.1	3rd Quarter, 2019	Pass	Results less than 20%
	027	Furnace Line Two, Stack 2	No MR	NO _x	7/16/2019	5.1	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/16/2019	4.0	3rd Quarter, 2019	Pass	Results less than 20%
022	029	Furnace Line One, Stack 1	No MR	NO _x	7/15/2019	6.2	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/15/2019	6.0	3rd Quarter, 2019	Pass	Results less than 20%
	030	Furnace Line One, Stack 2	No MR	NO _x	7/15/2019	5.6	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/15/2019	11.2	3rd Quarter, 2019	Pass	Results less than 20%
	031	Furnace Line One, Stack 3	No MR	NO _x	7/15/2019	3.8	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/15/2019	9.5	3rd Quarter, 2019	Pass	Results less than 20%
022	032	Furnace Line One, Stack 4	No MR	NO _x	7/15/2019	6.5	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/15/2019	10.8	3rd Quarter, 2019	Pass	Results less than 20%

*The full RATA report has previously been submitted to the EPA. Refer to the referenced report for more information.

CGA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (L/M%)	Next Test Due	Pass/Fail	Comments
020	021	021	No MR	NO _x	10/30/2019	0.8/1.3	Pass	1st Quarter, 2020	None
				SO ₂	10/29/2019	3.9/2.9	Pass	1st Quarter, 2020	
	022	022	No MR	NO _x	10/30/2019	2.5/3.0	Pass	1st Quarter, 2020	
				SO ₂	10/29/2019	2.6/1.2	Pass	1st Quarter, 2020	
	023	023	No MR	NO _x	10/30/2019	3.1/3.7	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	3.6/0.4	Pass	1st Quarter, 2020	
	024	024	No MR	NO _x	10/30/2019	1.0/1.2	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	3.0/0.3	Pass	1st Quarter, 2020	
021	025	025	No MR	NO _x	10/29/2019	2.0/2.2	Pass	1st Quarter, 2020	None
				SO ₂	10/30/2019	2.6/0.3	Pass	1st Quarter, 2020	
	026	026	No MR	NO _x	10/29/2019	1.2/1.7	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	5.9/2.6	Pass	1st Quarter, 2020	
	027	027	No MR	NO _x	10/29/2019	2.1/2.3	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	6.4/3.1	Pass	1st Quarter, 2020	
	028	028	No MR	NO _x	10/29/2019	0.7/1.3	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	6.0/2.7	Pass	1st Quarter, 2020	
022	029	029	No MR	NO _x	10/29/2019	2.1/1.8	Pass	1st Quarter, 2020	None
				SO ₂	10/30/2019	3.8/2.8	Pass	1st Quarter, 2020	
	030	030	No MR	NO _x	10/29/2019	2.1/2.1	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	3.3/2.6	Pass	1st Quarter, 2020	
	031	031	No MR	NO _x	10/29/2019	0.4/0.2	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	2.9/1.2	Pass	1st Quarter, 2020	
	032	032	No MR	NO _x	10/29/2019	0.5/0.1	Pass	1st Quarter, 2020	
				SO ₂	10/30/2019	2.1/3.3	Pass	1st Quarter, 2020	

* Alternate Specification in PPM if noted with asterisk

CYLINDER GAS AUDIT INFORMATION						
Gas	Test Level	Analyzers	Cylinder ID Number	Date of Certification	Type of Certification	Certified Audit Value
NOX	Low	SV021-SV032	CC214314	6/10/2019	EPA Protocol	49.53
NOX	Mid	SV021-SV032	XC035989B	8/9/2019	EPA Protocol	99.64
SO2	Low	SV021-SV024	CC416844	8/13/2018	EPA Protocol	12.69
SO2	Low	SV023-SV032	EB0011292	7/17/2019	EPA Protocol	12.47
SO2	Mid	SV021-SV024	CC414268	11/7/2017	EPA Protocol	24.93
SO2	Mid	SV023-SV032	CC414441	8/9/2018	EPA Protocol	24.3

Attachment B: Excess Emissions Report

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
Company Name: **Hibbing Taconite Company**
Company Address: **4950 Hwy 5 North**
Hibbing MN
Process Unit Identification: **EU020, EU021, EU022**

Process Unit Description: **Pellet Indurating Furnace Line No. 1, 2 & 3; straight grate indurating furnaces.**

Total Source Operating Time in Reporting Period: **See Individual Stacks**
Total Source Operating Days in Reporting Period: **See Individual Stacks**
Emission Limitation: **347.4 lbs SO₂/hr (30 day rolling average)**
Analyzer Analyte: **SO₂**
Analyzer Manufacturer: **See Individual Stacks**
Analyzer Manufacturer Model No.: **See Individual Stacks**
Analyzer Serial Number: **See Individual Stacks**
Date of Latest CMS Certification or Audit: **See Individual Stacks**

Description of changes in CEMS, processes, or controls since last reporting period: **See Individual Stacks**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **See Individual Stacks**
 Analyzer Manufacturer Model No.: **See Individual Stacks**
 Analyzer Serial Number: **See Individual Stacks**
 Date of Latest CMS Certification or Audit: **See Individual Stacks**

Description of changes in CEMS, processes, or controls since last reporting period: **See Individual Stacks**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	4.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	4.0
3. Total CMS Downtime (%)	0.20%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
11/05/2019 07:00	11/05/2019 10:59	4.0	Monitor equipment malfunctions	North gas flow meter malfunction repaired. Returned to operation. Followed SSM plan.

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV021**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **225**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV021**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **137**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV021**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHSHS**
 Analyzer Serial Number: **8398564/18118323**
 Date of Latest CMS Certification or Audit: **7/17/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	7.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	7.0
3. Total CMS Downtime (%)	0.35%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
10/13/2019 13:00	10/13/2019 16:59	4.0	Monitor equipment malfunctions	Flow meter cleaned. Returned to operation. Followed SSM plan.
12/11/2019 02:00	12/11/2019 03:59	2.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
12/11/2019 06:00	12/11/2019 06:59	1.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV022**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **226**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV022**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **136**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North
Hibbing MN**
 Process Unit Identification: **EU020 SV022**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318687/ 11318690**
 Date of Latest CMS Certification or Audit: **7/18/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV023**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **224**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	3.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.15%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
12/22/19 11:00	12/22/2019 13:59	3.0	Monitor equipment malfunctions	Repaired NOX analyzer malfunction. Returned to operation, Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV023**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **134**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
Company Name: **Hibbing Taconite Company**
Company Address: **4950 Hwy 5 North**
Hibbing MN
Process Unit Identification: **EU020 SV023**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
Total Source Operating Days in Reporting Period: **83 days**
Emission Limitation: **N/A**
Analyzer Analyte: **Stack Flow**
Analyzer Manufacturer: **Sick Maihak**
Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHSH**
Analyzer Serial Number: **11318686/ 11318679**
Date of Latest CMS Certification or Audit: **7/17/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV024**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Moniror Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **215**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV024**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **135**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV024**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,962 hours**
 Total Source Operating Days in Reporting Period: **83 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **13438339/11168507**
 Date of Latest CMS Certification or Audit: **7/18/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
Company Name: **Hibbing Taconite Company**
Company Address: **4950 Hwy 5 North**
Hibbing MN
Process Unit Identification: **EU021**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
Total Source Operating Days in Reporting Period: **87 days**
Emission Limitation: **N/A**
Analyzer Analyte: **NOX**
Analyzer Manufacturer: **See Individual Stacks**
Analyzer Manufacturer Model No.: **See Individual Stacks**
Analyzer Serial Number: **See Individual Stacks**
Date of Latest CMS Certification or Audit: **See Individual Stacks**

Description of changes in CEMS, processes, or controls since last reporting period: **See Individual Stacks**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.0		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV025**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **199**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV025**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **119**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV025**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318688/ 11318689**
 Date of Latest CMS Certification or Audit: **7/16/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV026**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **197**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV026**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **116**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV026**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHSHS**
 Analyzer Serial Number: **11318672/ 8398565**
 Date of Latest CMS Certification or Audit: **7/16/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV027**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **179**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV027**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **115**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV027**
 Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318684/ 11318691**
 Date of Latest CMS Certification or Audit: **7/16/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North
Hibbing MN**
 Process Unit Identification: **EU021 SV028**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **198**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV028**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **117**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North
Hibbing MN**
 Process Unit Identification: **EU021 SV028**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,039 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318678/ 11318673**
 Date of Latest CMS Certification or Audit: **7/16/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
Company Name: **Hibbing Taconite Company**
Company Address: **4950 Hwy 5 North**
Hibbing MN
Process Unit Identification: **EU022**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
Total Source Operating Days in Reporting Period: **79 days**
Emission Limitation: **N/A**
Analyzer Analyte: **NOX**
Analyzer Manufacturer: **See Individual Stacks**
Analyzer Manufacturer Model No.: **See Individual Stacks**
Analyzer Serial Number: **See Individual Stacks**
Date of Latest CMS Certification or Audit: **See Individual Stacks**

Description of changes in CEMS, processes, or controls since last reporting period: **See Individual Stacks**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV029**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **213**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	5.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	5.0
3. Total CMS Downtime (%)	0.27%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
11/16/2019 12:00	11/16/2019 12:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/16/2019 16:00	11/16/2019 16:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/16/2019 20:00	11/16/2019 20:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/17/2019 11:00	11/17/2019 11:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/17/2019 15:00	11/17/2019 15:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV029**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **129**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	5.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	5.0
3. Total CMS Downtime (%)	0.27%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
11/16/2019 12:00	11/16/2019 12:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/16/2019 16:00	11/16/2019 16:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/16/2019 20:00	11/16/2019 20:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/17/2019 11:00	11/17/2019 11:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
11/17/2019 15:00	11/17/2019 15:59	1.0	Monitor equipment malfunctions	Unknown sporadic instrument issue. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**

Company Name: **Hibbing Taconite Company**

Company Address: **4950 Hwy 5 North**

Hibbing MN

Process Unit Identification: **EU022 SV029**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**

Total Source Operating Days in Reporting Period: **79 days**

Emission Limitation: **N/A**

Analyzer Analyte: **Stack Flow**

Analyzer Manufacturer: **Sick Maihak**

Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**

Analyzer Serial Number: **11318676/ 11318683**

Date of Latest CMS Certification or Audit: **7/15/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV030**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **212**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV030**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **130**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**

Company Name: **Hibbing Taconite Company**

Company Address: **4950 Hwy 5 North**

Hibbing MN

Process Unit Identification: **EU022 SV030**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**

Total Source Operating Days in Reporting Period: **79 days**

Emission Limitation: **N/A**

Analyzer Analyte: **Stack Flow**

Analyzer Manufacturer: **Sick Maihak**

Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**

Analyzer Serial Number: **11318682/ 11318681**

Date of Latest CMS Certification or Audit: **7/15/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV031**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **214**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV031**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **132**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North
Hibbing MN**
 Process Unit Identification: **EU022 SV031**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318670/ 11318677**
 Date of Latest CMS Certification or Audit: **7/15/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV032**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **195**
 Date of Latest CMS Certification or Audit: **10/29/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV032**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**
 Total Source Operating Days in Reporting Period: **79 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **131**
 Date of Latest CMS Certification or Audit: **10/30/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **October 1, 2019 - December 31, 2019**

Company Name: **Hibbing Taconite Company**

Company Address: **4950 Hwy 5 North**

Hibbing MN

Process Unit Identification: **EU022 SV032**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,854 hours**

Total Source Operating Days in Reporting Period: **79 days**

Emission Limitation: **N/A**

Analyzer Analyte: **Stack Flow**

Analyzer Manufacturer: **Sick Maihak**

Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**

Analyzer Serial Number: **11318680/ 11318671**

Date of Latest CMS Certification or Audit: **7/15/2019**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	1.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.05%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
12/14/2019 14:00	12/14/2019 14:59	1.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		